120	0.001	130	0.004	140	0.006	150	0.006	160	0.005	170	0.004
180	0.003	190	0.003	200	0.005	210	0.005	220	0.005	230	0.004
240	0.001	250	0.003	260	0.01	270	0.017	280	0.025	290	0.021
300	0.016	310	0.116	320	0.294	330	0.517	340	0.749	350	0.928
Additional Azimuths											

Relative Field Polar Plot

11.	**For FM Boosters and Fill-in translators only.** a. **FM Fill-in translators.** Applicant certifies that the FM translator's (a) coverage contour does not extend beyond the protected contour of the commercial FM primary station to be rebroadcast, or (b) entire 60 dBu contour is contained within the lesser of: (i) the 2 mV/m daytime contour of the AM primary station to be rebroadcast, or (ii) a 25-mile radius centered at the AM primary station's transmitter site. b. **FM Boosters.** Applicant certifies that the FM Booster station's service contour is entirely within the primary station's protected coverage contour.	○ Yes ○ No ◉ N/A See Explanation in [Exhibit 10] ◉ Yes ○ No ○ N/A See Explanation in [Exhibit 11]
12.	**Interference.** The proposed facility complies with all of the following applicable rule sections. Check all that apply: **Overlap Requirements.** ☑ a) 47 C.F.R. Section 74.1204 **Exhibit Required.** **Television Channel 6 Protection.** ☐ b) 47 C.F.R. Section 74.1205 with respect to station(s) **Exhibit Required.**	◉ Yes ○ No See Explanation in [Exhibit 12] [Exhibit 13] [Exhibit 14]
13.	**Unattended operation.** Applicant certifies that unattended operation is not proposed, or if this application proposes unattended operation, the applicant certifies that it will comply with the requirements of 47 C.F.R. Section 74.1234.	◉ Yes ○ No See Explanation in [Exhibit 15]
14.	**Multiple Translators.** Applicant certifies that it does not have any interest in an application or an authorization for an FM translator station that serves substantially the same area and rebroadcasts the same signal as the proposed FM translator station.	◉ Yes ○ No See Explanation in [Exhibit 16]
15.	**Environmental Protection Act.** Applicant certifies that the proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., the facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an **Exhibit is required.** By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.	◉ Yes ○ No See Explanation in [Exhibit 17]

PREPARER'S CERTIFICATION ON PAGE 4 MUST BE COMPLETED AND SIGNED.

Section IV -- Noncommercial Educational Point System Factors - -New and Major Change Applications on Reserved Channels Only (used to select among mutually exclusive applications for new stations and major modifications) NOTE: Applicants will not received any additional points for amendments made after the close of the application filing window.

	Preliminary Matter: Does this application provide fill-in service only?	○ Yes ○ No
1.	**Established Local Applicant:** Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R. Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.	○ Yes ○ No
2.	**Diversity of Ownership:** Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized radio station (including AM, FM, and non-fill-in FM translator stations, commercial or noncommercial) in which any party to the application has an attributable interest as defined in 47 C.F.R. Section 73.3555, that its governing documents require that such diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.	○ Yes ○ No
3.	**State-wide Network:** Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above: (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b)(3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.	○ Yes ○ No
4.	**Technical Parameters:** Applicant certifies that the numbers in the boxes below accurately reflect the new (increased) area and population that its proposal would serve with a 60 dBu signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include the area of proposed increase only (exclude the station's existing service area). (Points, if any, will be determined by FCC)	○ Yes ○ No
	New (increased) area served in square kilometers (excluding areas of water):	
	Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:	
	Tie Breakers	
5.	**Existing Authorizations.** a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of relevant broadcast stations. FM translator applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial and FM translator stations other than fill-in stations. (number of attributable commercial and non-commercial licenses and construction permits) b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of FM translators.	
6.	**Pending Applications.** a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, pending applications for new or major changes to the following number of relevant broadcast stations, AM and FM, commercial and non-commercial and FM translator stations other than fill-in stations. (number of attributable commercial and non-commercial applications) b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date of filing, existing authorizations for the following number of FM translators.	

Section VI -- Certification

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in

good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date

Exhibits

Exhibit 11
Description: SEE EXHBIT 17

Attachment 11

Exhibit 12
Description: SEE EXHBIT 17

Attachment 12

Exhibit 13
Description: SEE EXHBIT 17

Attachment 13

Exhibit 17
Description: TECHNICAL SUMMARY

BOOSTER COVERAGE COMPLIANCE - FIGURE 1 IS A MAP DEMONSTRATING THAT THE PROPOSED BOOSTER 60 DBU CONTOUR IS WITHIN THE 60 DBU CONTOUR OF FM MAIN STATION WWOJ ON CHANNEL 256A AT AVON PARK, FL. CONTOUR LOCATIONS BASED ON USGS 30-SECOND TERRAIN DATABASE.

SECTION 74.1204 COMPLIANCE THERE ARE NO INTERMEDIATE FREQUENCY (IF) ALLOCATIONS OF CONCERN. FURTHERMORE, AS DEMONSTRATED ON FIGURE 2, CONTOUR PROTECTION IS PROVIDED TO FIRST ADJACENT CHANNEL STATIONS WBCG ON CHANNEL 255A AT MURDOCK, FL AND WJBX ON CHANNEL 257C2 AT FORT MEYERS BEACH, FL. CONTOUR LOCATIONS BASED ON USGS 30-SECOND TERRAIN DATABASE.

RFR COMPLIANCE - THE PROPOSED FACILITIES WERE EVALUATED IN TERMS OF POTENTIAL RADIO FREQUENCY (RF) ENERGY EXPOSURE AT GROUND LEVEL TO WORKERS AND THE GENERAL PUBLIC. THE RADIATION CENTER FOR THE PROPOSED BOOSTER ANTENNA IS LOCATED 47 METERS ABOVE GROUND LEVEL ON THE EXISTING TOWER. THE MAXIMUM ERP IS 5 KW (VERTICAL POLARIZATION). A CONSERVATIVE VERTICAL PLANE RELATIVE FIELD VALUE OF 0.1 (FOR ANGLES BELOW 60 DEGREES DOWNWARD) IS PRESUMED FOR THE ANTENNA'S DOWNWARD RADIATION (SEE FIGURE 3 ATTACHED). THE CALCULATED POWER DENSITY AT A POINT 2 METERS ABOVE GROUND LEVEL IS 0.0008 MW/CM2. THIS IS 0.4% OF THE FCC'S RECOMMENDED LIMIT OF 0.2 MW/CM2 FOR FM RADIO STATIONS FOR AN UNCONTROLLED ENVIRONMENT. THEREFORE, BASED ON THE RESPONSIBILITY THRESHOLD OF 5%, THE PROPOSAL WILL COMPLY WITH THE RF EMISSION RULES.

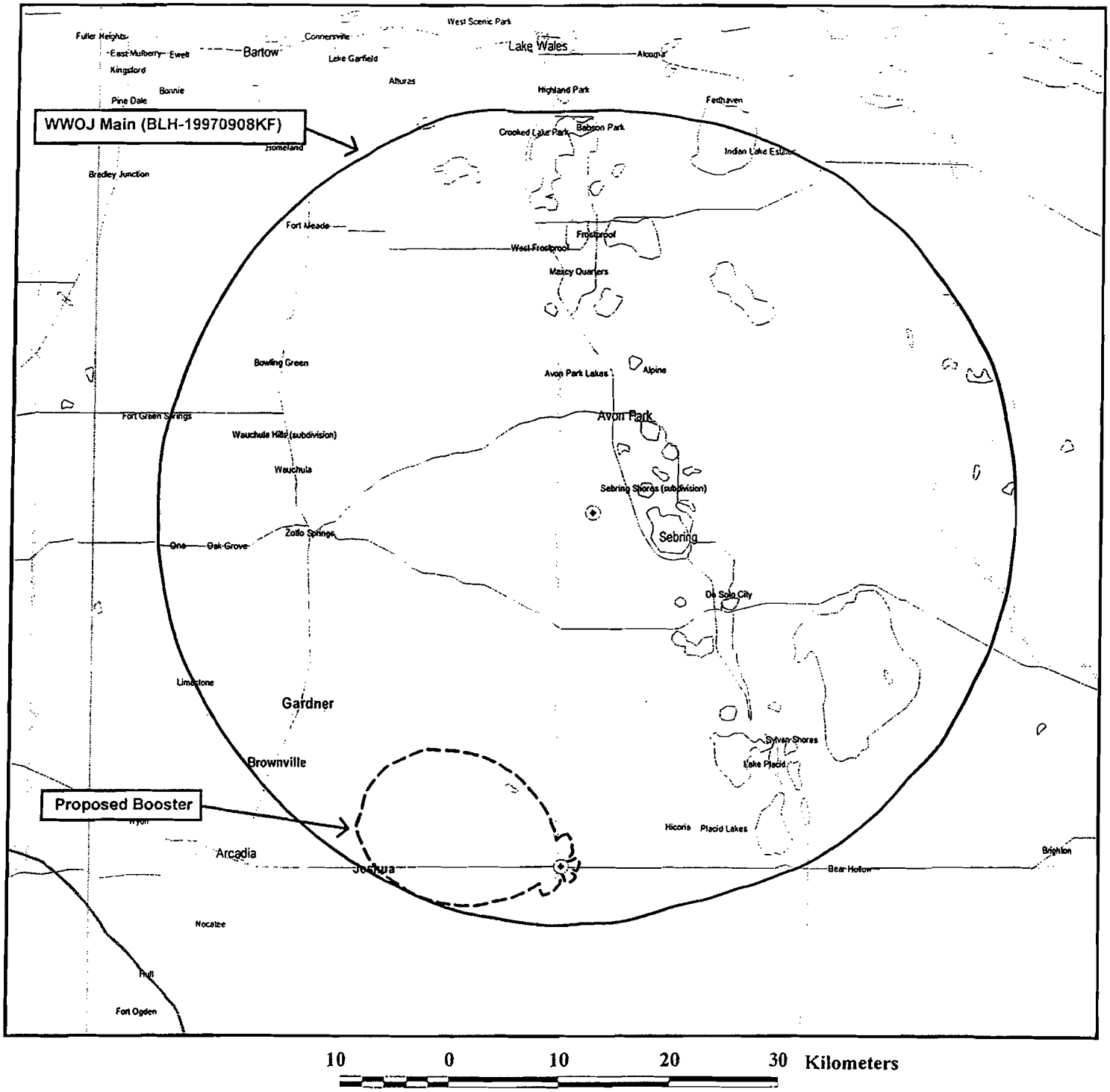
ACCESS TO THE TRANSMITTING SITE IS RESTRICTED AND APPROPRIATELY MARKED WITH RFR WARNING SIGNS. FURTHERMORE, AS THIS IS A MULTI-USER SITE, A PROTOCOL WILL BE IN EFFECT WITH THE OTHER STATIONS IN THE EVENT THAT WORKERS OR OTHER AUTHORIZED PERSONNEL ENTER THE RESTRICTED AREA OR CLIMB THE TOWER TO ENSURE THAT APPROPRIATE MEASURES WILL BE TAKEN TO ASSURE WORKER SAFETY WITH RESPECT TO RADIO FREQUENCY RADIATION EXPOSURE. SUCH MEASURES INCLUDE REDUCING THE AVERAGE EXPOSURE BY SPREADING OUT THE WORK OVER A LONGER PERIOD OF TIME, WEARING ACCEPTED RFR PROTECTIVE CLOTHING AND/OR RFR EXPOSURE. FURTHERMORE, IT IS NOTED THAT THIS TECHNICAL EXHIBIT ONLY ADDRESSES THE POTENTIAL FOR RADIO FREQUENCY ELECTROMAGNETIC FIELD EXPOSURE. ALL OTHER

ASPECTS OF THE ENVIRONMENTAL PROCESSING ANALYSIS WILL BE OR ALREADY HAS BEEN PROVIDED TO THE FCC BY THE TOWER OWNER AS PART OF THE TOWER REGISTRATION PROCESS.

Attachment 17

Description
FIGURES - JOSHUA BOOSTER

Figure 1

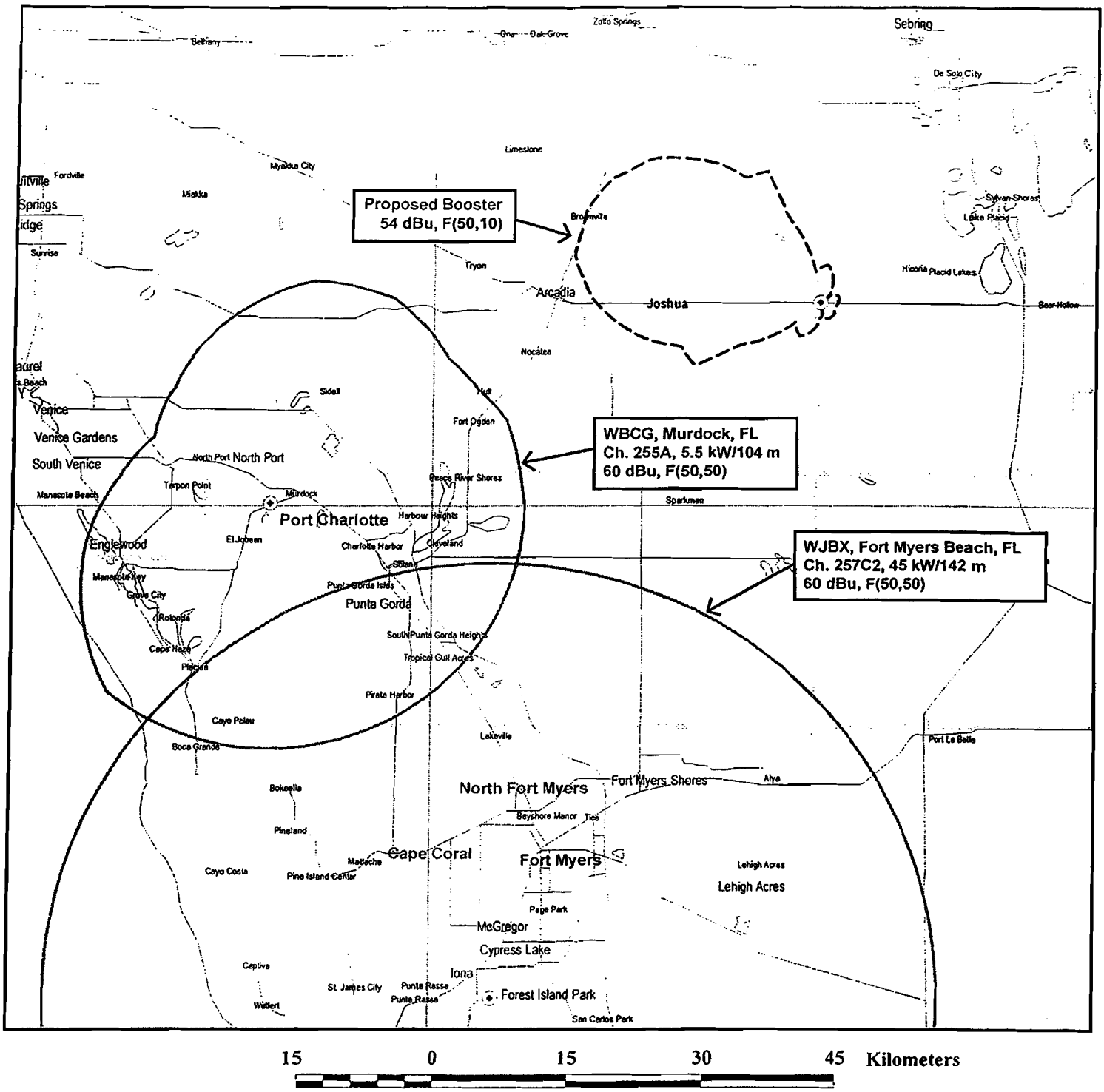


MAIN AND BOOSTER 60 DBU CONTOURS

NEW FM BOOSTER STATION
JOSHUA, FLORIDA
CH 256 5 KW (MAX-DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2



COMPLIANCE WITH SECTION 74.1204

NEW FM BOOSTER STATION
JOSHUA, FLORIDA
CH 256 5 KW (MAX-DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

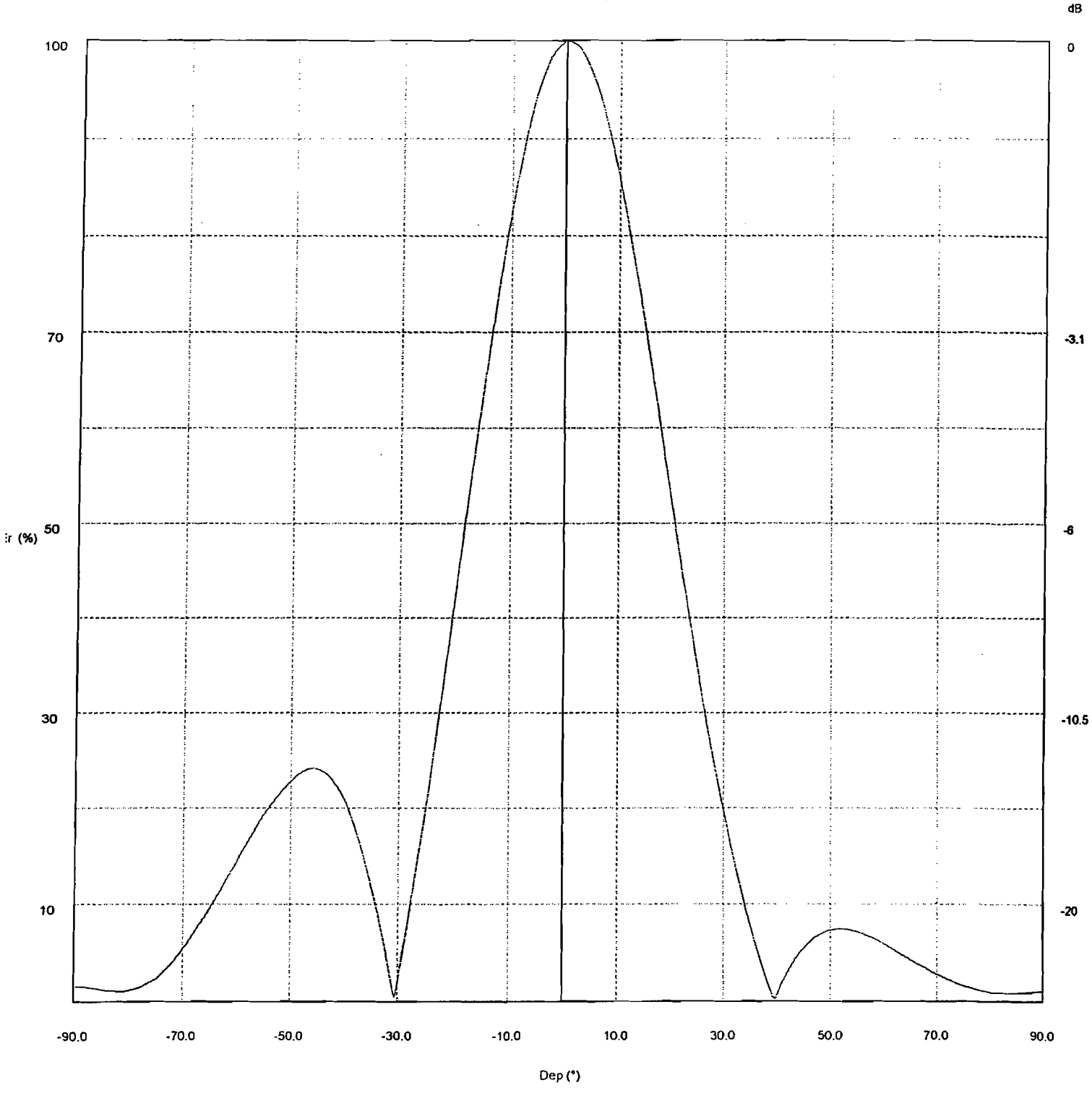
TX Station: 060v2011 Lazer Spots Project

Frequency: 99.10 MHz

Site Name: Heartland Broadcasting Corp

Gain solid integration : enabled

Vertical diagram at an azimuth of 0.0° degrees



0.0° Az. (Total Antenna), Gain (dBd): 12.4

ERP T.Max(KW): 4.7788 ERP E.Max(KW): 3.2894

ATTACHMENT D

HARRY F. COLE
ANNE GOODWIN CRUMP
PAUL J. FELDMAN
JEFFREY J. GEE
CHRISTINE GOEPP*
KEVIN M. GOLDBERG
FRANK R. JAZZO
M. SCOTT JOHNSON
DANIEL A. KIRKPATRICK
MITCHELL LAZARUS
STEPHEN T. LOVELADY*
SUSAN A. MARSHALL
HARRY C. MARTIN
MICHELLE A. McCLURE
MATTHEW H. McCORMICK
FRANCISCO R. MONTERO
LEE G. PETRO*
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JAMES P. RILEY
DAVINA SASHKIN
PETER TANNENWALD
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March 9, 2010

PLEASE STAMP
AND RETURN
THIS COPY TO FRM
FLETCHER, HEALD & HILDRETH

VIA HAND DELIVERY
Marlene H. Dortsch
Secretary
Federal Communications Commission
Portals II – 12th Street Lobby
Filing Counter – TW – A325
445 12th Street SW
Washington, DC 20554

FILED/ACCEPTED

MAR - 9 2010

Federal Communications Commission
Office of the Secretary

Dear Ms. Dortsch:

Bustos Media of Utah License, LLC ("Bustos"), the licensee of KDUT(FM), Facility ID. No. 88272, Randolph, Utah; KDUT-FM1, Facility ID No. 122076, Bountiful, Utah; KDUT-FM2, Facility ID No. 122078, Salt Lake City, Utah; KDUT-FM3, Facility ID No. 123370, Ogden, Utah; and KDUT-FM5, Facility ID No. 131424, Provo, Utah, by its attorneys, and pursuant to Section 73.1510 of the Commission's rules, requests an experimental authorization. In support, Bustos submits the following:

Bustos seeks an experimental authorization to allow it to utilize certain of the boosters associated with KDUT to originate limited programming. In this regard, Bustos intends to utilize KDUT-FM2, KDUT-FM3 and KDUT-FM5. Specifically, Bustos intends to simultaneously broadcast on each of the aforementioned boosters different non-commercial announcements targeted to discreet audiences. Bustos intends to target the broadcasts to appeal to specific diverse audiences which are encompassed within the boosters' service areas. Each of the boosters in question will concurrently broadcast a different non-commercial message.

Methodology

The broadcasts shall be conducted over a thirty (30) day period. Broadcasts will be done between the hours of 9:00 a.m. and 3:00 p.m. and 7:00 p.m. and 11:00 p.m. It is anticipated that no more than four (4) non-commercial announcements shall be broadcast on each of the boosters in a given hour. The announcements will be directed to the specific needs and interests of the communities served by the respective booster in question.

The broadcasts shall be done at the direction and under the control of Bustos. Bustos is utilizing the services of GEO Spots, LLC ("GEO") to assist it in this endeavor. In this regard, the placement of the announcements shall be done using a master control device.[1] GEO will be employing proprietary technology (patent pending) which will allow different announcements to be placed on each of the boosters in a synchronized time sequence.

Technical Operations/Interference

During the broadcasts, no changes to the authorized facilities are contemplated. Thus, the stations (the boosters and the primary station) will broadcast consistent with their authorizations.

Reynolds Technical Associated ("Reynolds") was retained to determine the interference by the boosters to any other facilities (i.e. either co-channel, 1st, 2nd or 3rd adjacent). The maps which were prepared by Reynolds are attached in Exhibit A. These maps demonstrate that the interference is identical to that allowed by the Commission in granting the various booster licenses.

Public Interest Considerations

Each of the boosters serve a variety of communities. Exhibit B lists the communities and their respective populations which are encompassed within the service contour of KDUT-FM3 (the Ogden booster); Exhibit C provides the same information with respect to KDUT-FM2 (the Salt Lake City booster); and Exhibit D provides the same information with respect to KDUT-FM5 (the Provo booster).

Exhibit E, utilizing 2000 Census data, provides the demographic breakdown for the area encompassed by each of the boosters. While there are certain similarities between the service areas of the boosters, there are also some significant differences. For example, the Salt Lake City booster serves a significantly larger Hispanic population than either Ogden or Provo. Similarly, the Asian population is greatest in the area served by the Salt Lake City booster but there are few Asians in the area served by the Provo booster. It is submitted that an announcement concerning an event affecting the Asian community (e.g. in the form of a PSA) would have little interest to those residents encompassed within the Provo booster. Bustos intends to broadcast some of the announcements in several foreign languages.

It is also submitted that, independent of ethnicity, the needs of these communities are also different. For example, information relevant to the Salt Lake City schools would not necessarily be relevant to those residents of Provo or Ogden. Separate announcements to each of the communities would clearly be in the public interest.

The instant request is consistent with the Commission's recent focus on the future of information needs of communities. See FCC Launches Examination of the Future of Media and Information Needs of Communities in the Digital Age, DA 10-100, released January 21, 2010.

---

[1]GEO has an application pending for a patent for the master control device and associated software that will control the boosters by automated means.

Bustos shall, within thirty (30) days of termination of the experimental authorization, submit a report of the results of the experimental operation. See 73.1510(d). That report shall specifically address the extent any interference presented by the simultaneous operation of the boosters when different broadcasts are being concurrently done.

It is submitted that good cause exists for issuance of the experimental authorization as the instant request satisfies all of the criteria enumerated in Section 73.1510 of the Commission's rules.

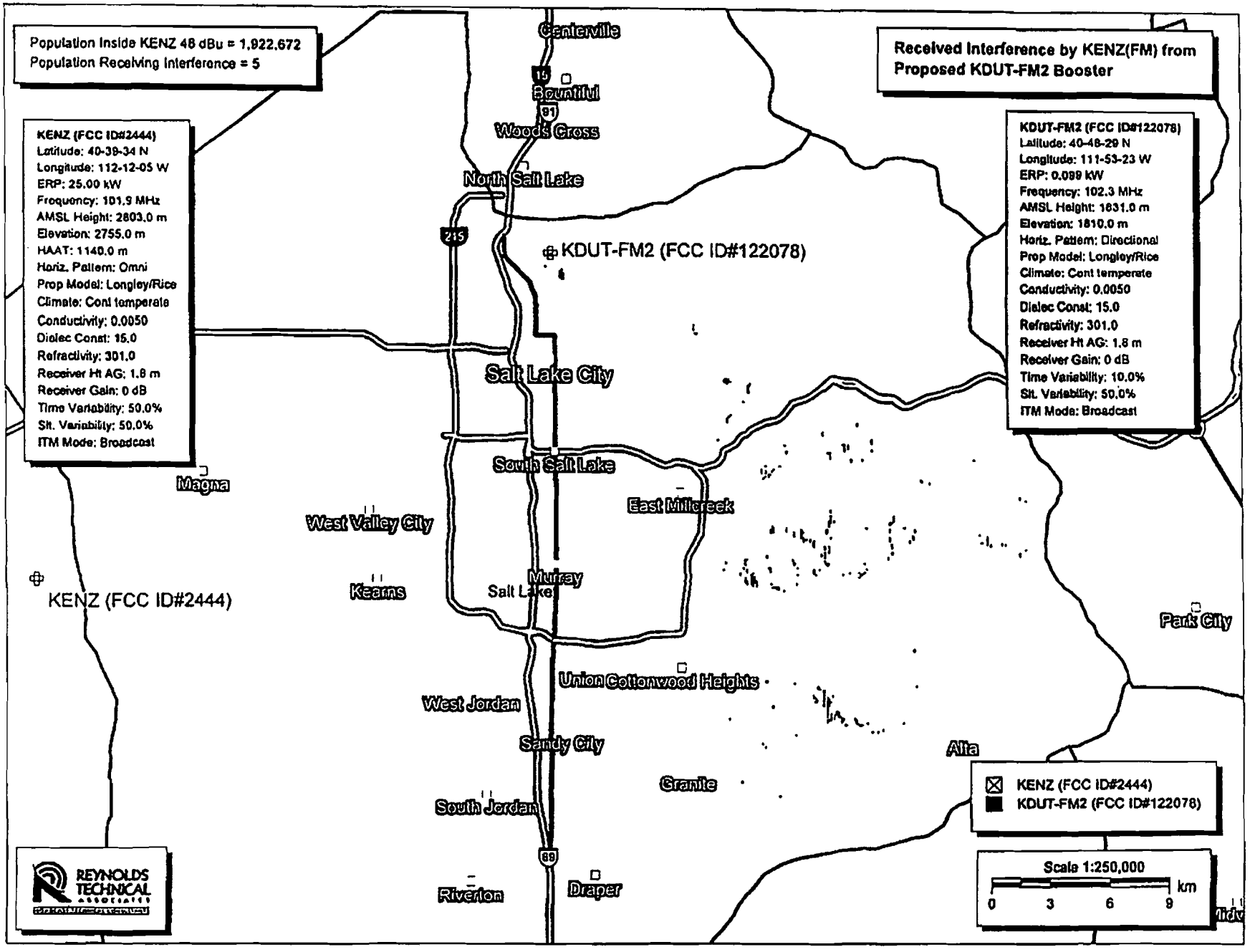
Bustos certifies that neither it nor any party to the application is subject to denial of federal benefits pusuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.

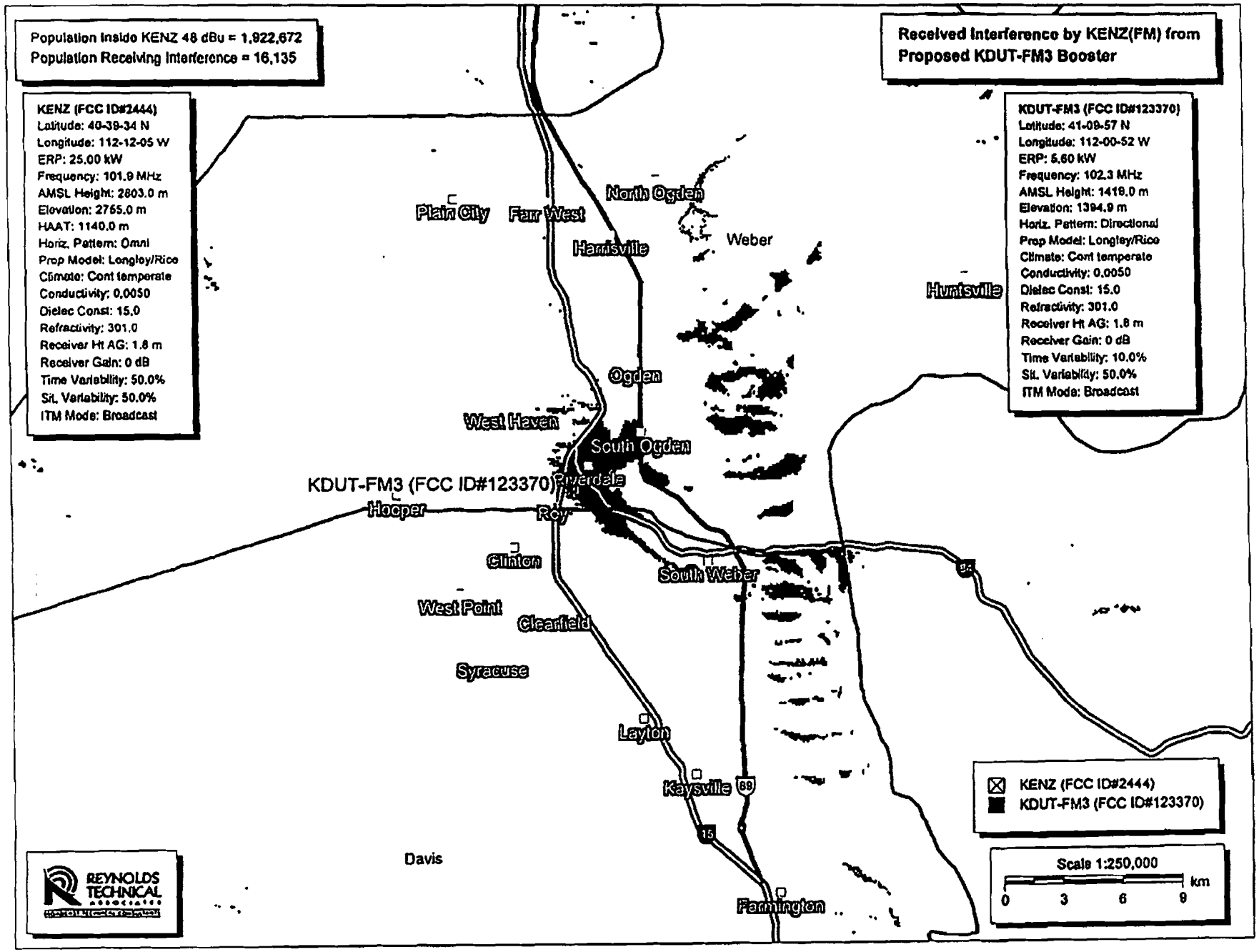
Respectfully submitted,

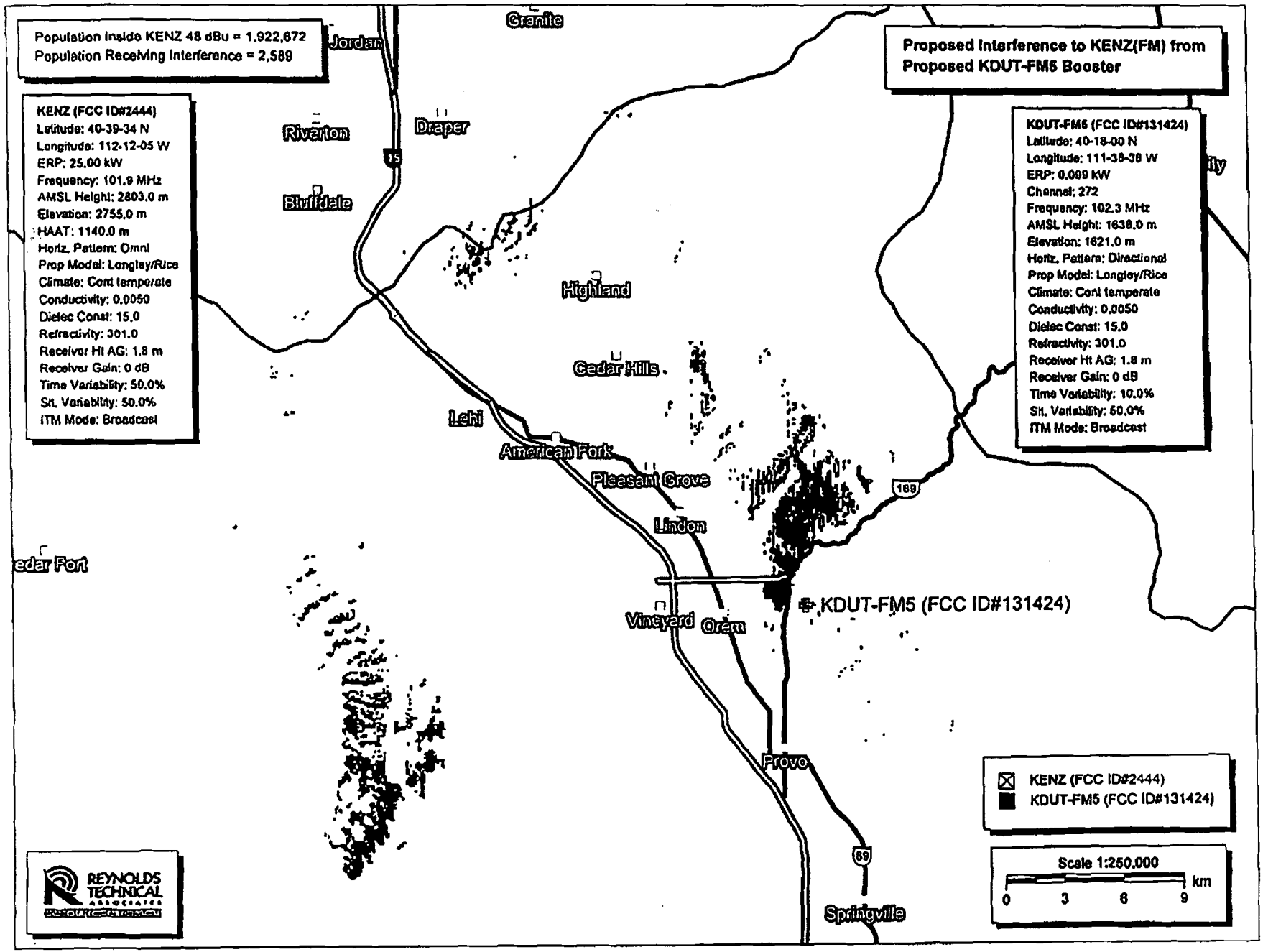
BUSTOS MEDIA OF UTAH LICENSE, LLC

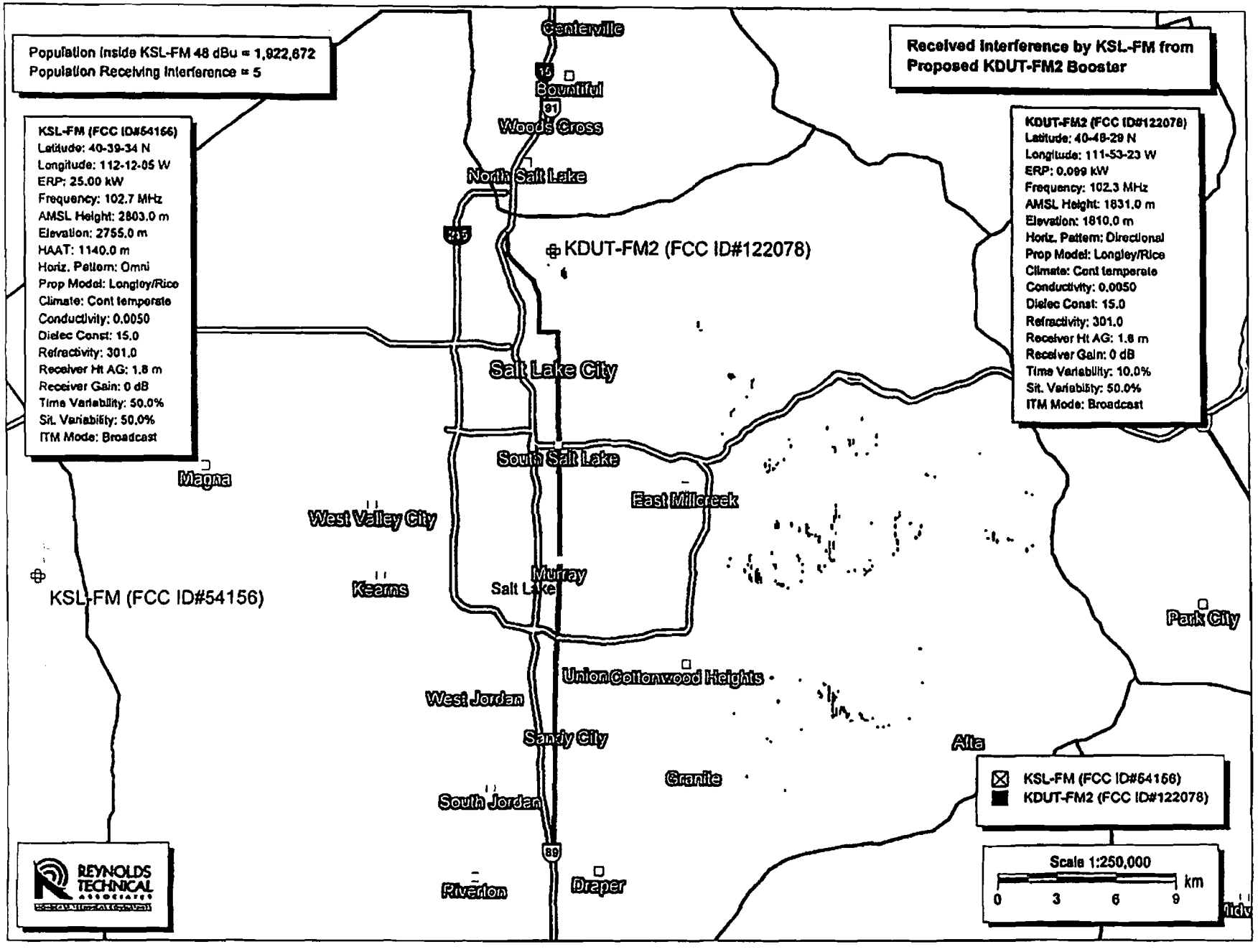
By: _____
Francisco R. Montero
Fletcher Heald & Hildreth, PLC
Its Counsel

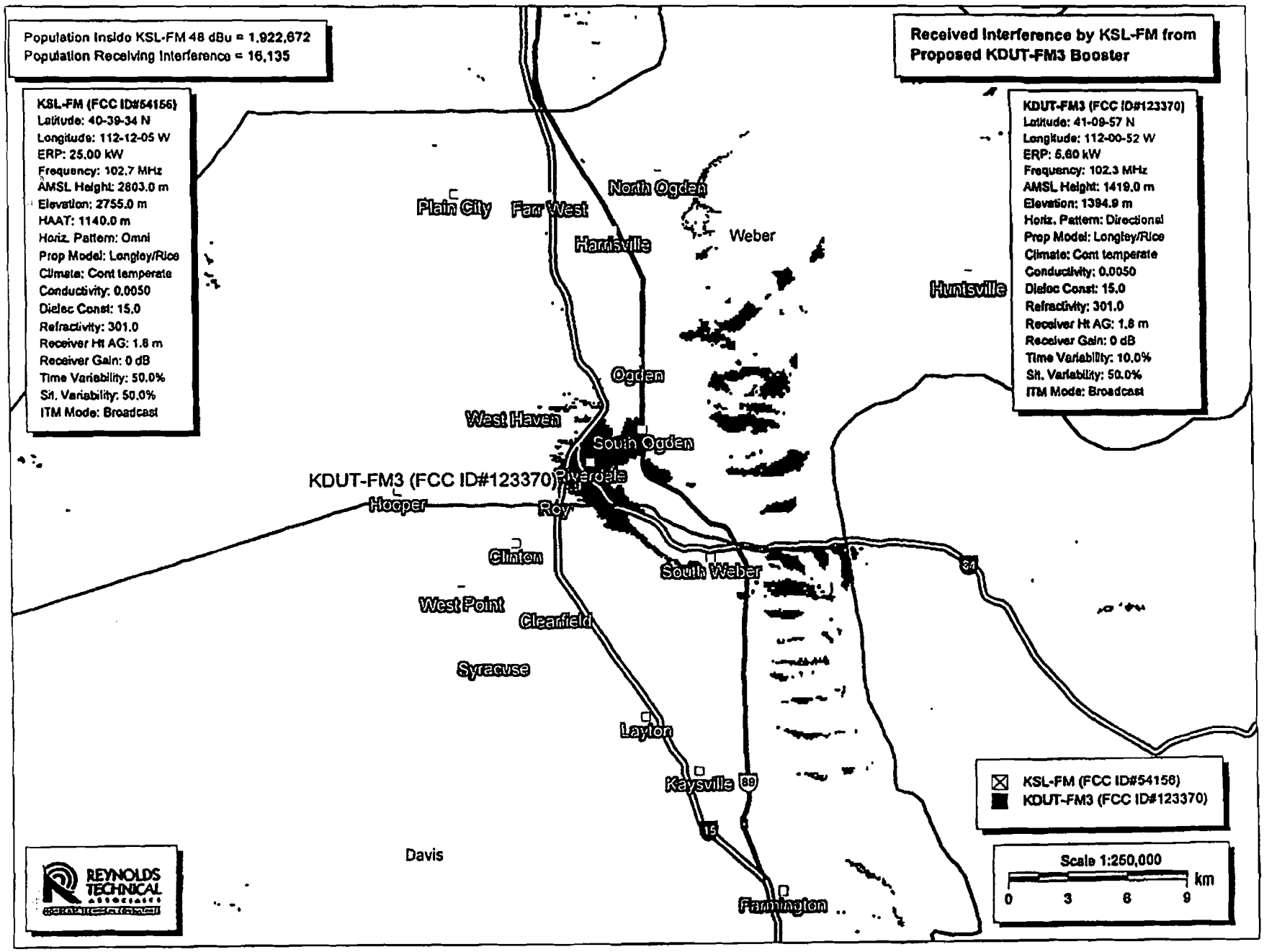
EXHIBIT A

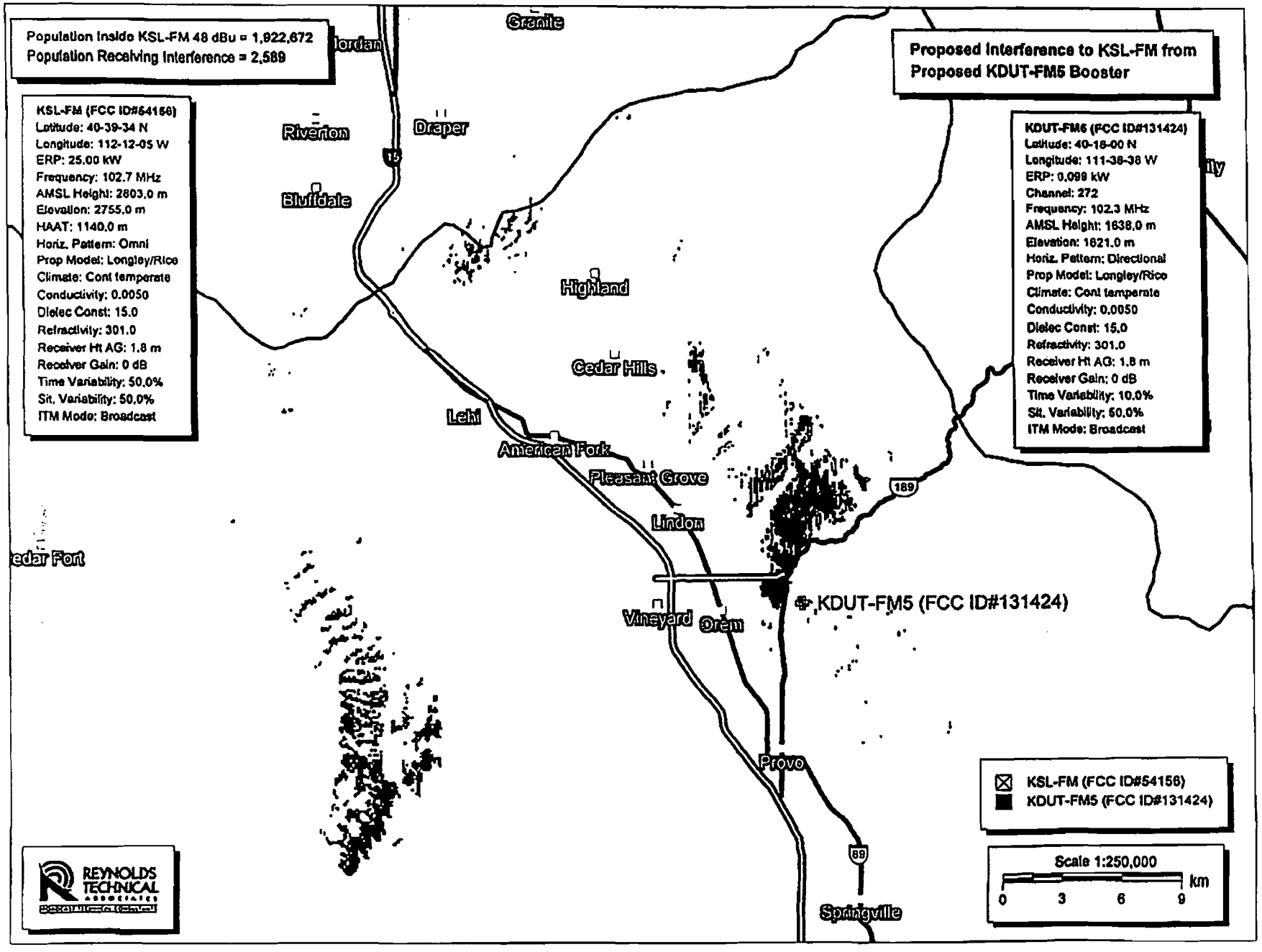

Population Inside KENZ 48 dBu = 1,922,672
Population Receiving Interference = 5
KENZ (FCC ID#2444)
Latitude: 40-39-34 N
Longitude: 112-12-05 W
ERP: 25.00 kW
Frequency: 101.9 MHz
AMSL Height: 2803.0 m
Elevation: 2755.0 m
HAAT: 1140.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Received Interference by KENZ(FM) from Proposed KDUT-FM2 Booster
KDUT-FM2 (FCC ID#122078)
Latitude: 40-48-29 N
Longitude: 111-53-23 W
ERP: 0.099 kW
Frequency: 102.3 MHz
AMSL Height: 1631.0 m
Elevation: 1810.0 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Centerville
Bountiful
Woods Cross
North Salt Lake
KDUT-FM2 (FCC ID#122078)
Salt Lake City
South Salt Lake
Magna
West Valley City
East Millcreek
KENZ (FCC ID#2444)
Kearns
Murray
Salt Lake
Park City
Union
Cottonwood Heights
West Jordan
Sandy City
Alta
Granite
South Jordan
Riverton
Draper
KENZ (FCC ID#2444)
KDUT-FM2 (FCC ID#122078)
Scale 1:250,000
km
0 3 6 9
REYNOLDS TECHNICAL ASSOCIATES

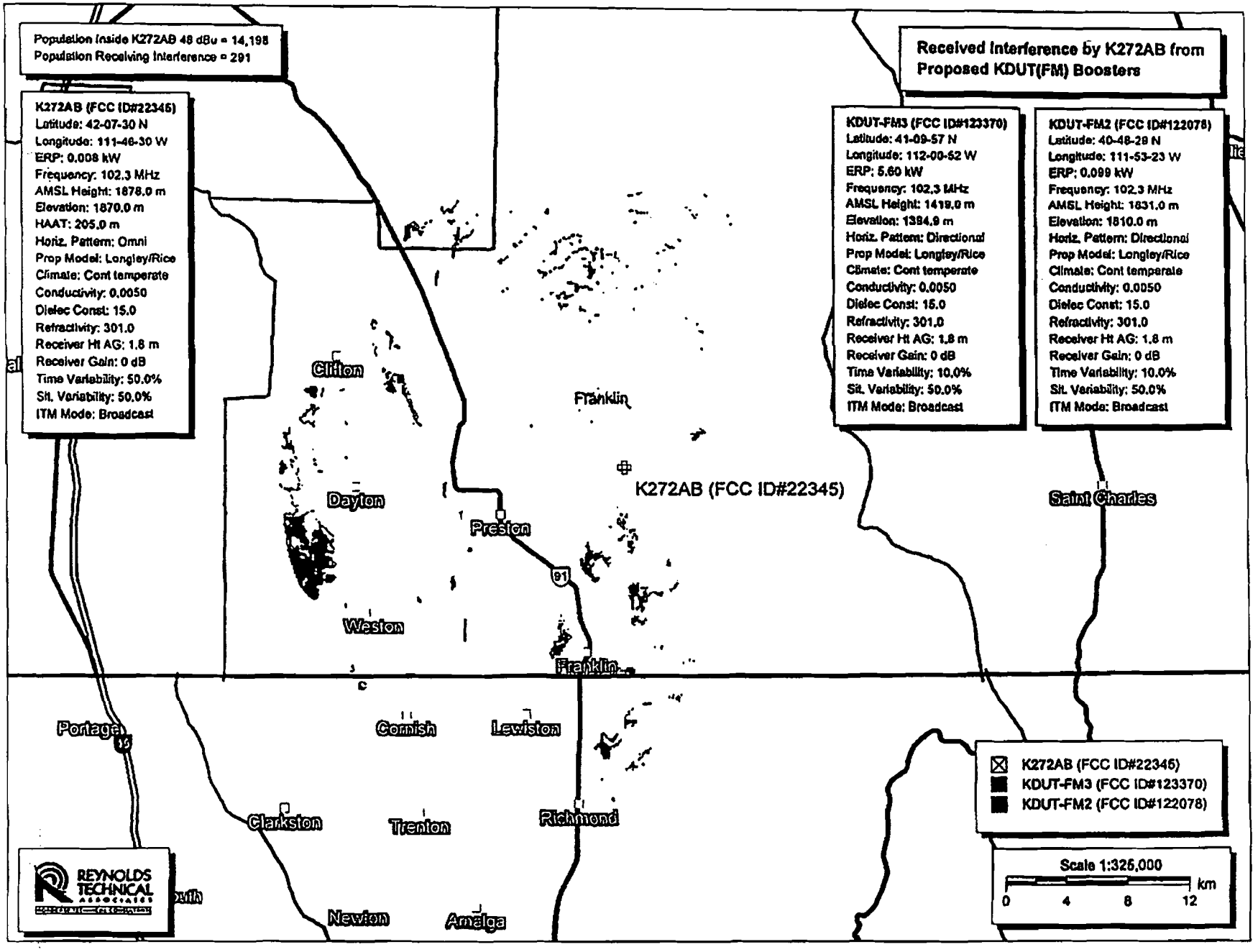

Population Inside KENZ 48 dBu = 1,922,672
Population Receiving Interference = 16,135
Received Interference by KENZ(FM) from Proposed KDUT-FM3 Booster
KENZ (FCC ID#2444)
Latitude: 40-39-34 N
Longitude: 112-12-05 W
ERP: 25.00 kW
Frequency: 101.9 MHz
AMSL Height: 2803.0 m
Elevation: 2765.0 m
HAAT: 1140.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
KDUT-FM3 (FCC ID#123370)
Latitude: 41-09-57 N
Longitude: 112-00-52 W
ERP: 6.60 kW
Frequency: 102.3 MHz
AMSL Height: 1418.0 m
Elevation: 1394.9 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Plain City
Farr West
North Ogden
Harrisville
Weber
Huntsville
Ogden
West Haven
South Ogden
Riverdale
KDUT-FM3 (FCC ID#123370)
Hooper
Roy
Clinton
South Weber
West Point
Clearfield
Syracuse
Layton
Kaysville
89
15
Davis
Farmington
KENZ (FCC ID#2444)
KDUT-FM3 (FCC ID#123370)
Scale 1:250,000
km
0
3
6
9
REYNOLDS TECHNICAL

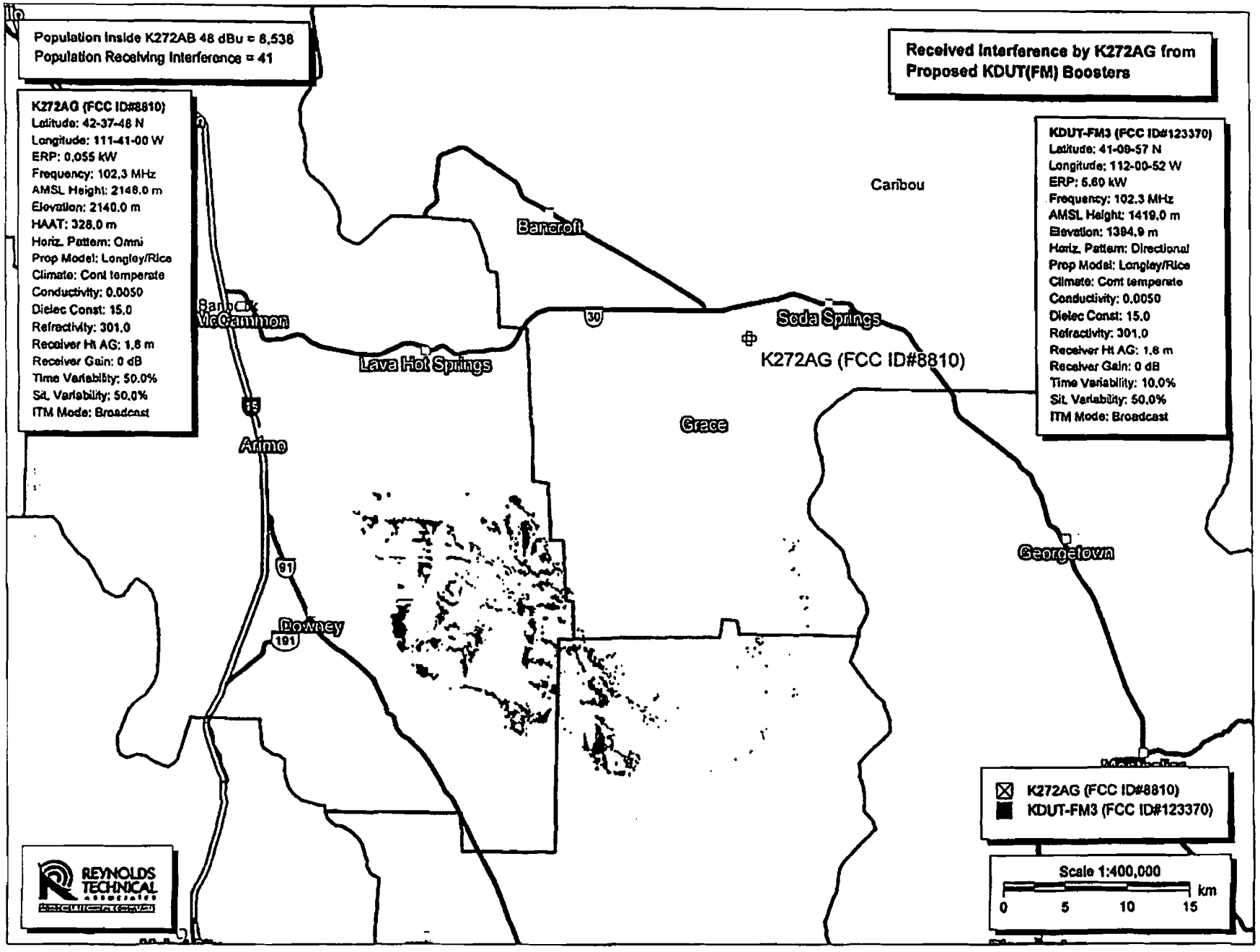

Population Inside KENZ 48 dBu = 1,922,672
Population Receiving Interference = 2,589
Proposed Interference to KENZ(FM) from Proposed KDUT-FM5 Booster
KENZ (FCC ID#2444)
Latitude: 40-39-34 N
Longitude: 112-12-05 W
ERP: 25.00 kW
Frequency: 101.9 MHz
AMSL Height: 2803.0 m
Elevation: 2755.0 m
HAAT: 1140.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
KDUT-FM5 (FCC ID#131424)
Latitude: 40-18-00 N
Longitude: 111-38-38 W
ERP: 0.099 kW
Channel: 272
Frequency: 102.3 MHz
AMSL Height: 1638.0 m
Elevation: 1621.0 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Granite
Jordan
Riverton
Draper
Bluffdale
Highland
Cedar Hills
Lehi
American Fork
Pleasant Grove
Lindon
Vineyard
Orem
Provo
Springville
edar Fort
KDUT-FM5 (FCC ID#131424)
KENZ (FCC ID#2444)
KDUT-FM5 (FCC ID#131424)
Scale 1:250,000
km
0
3
6
9
REYNOLDS TECHNICAL ASSOCIATES

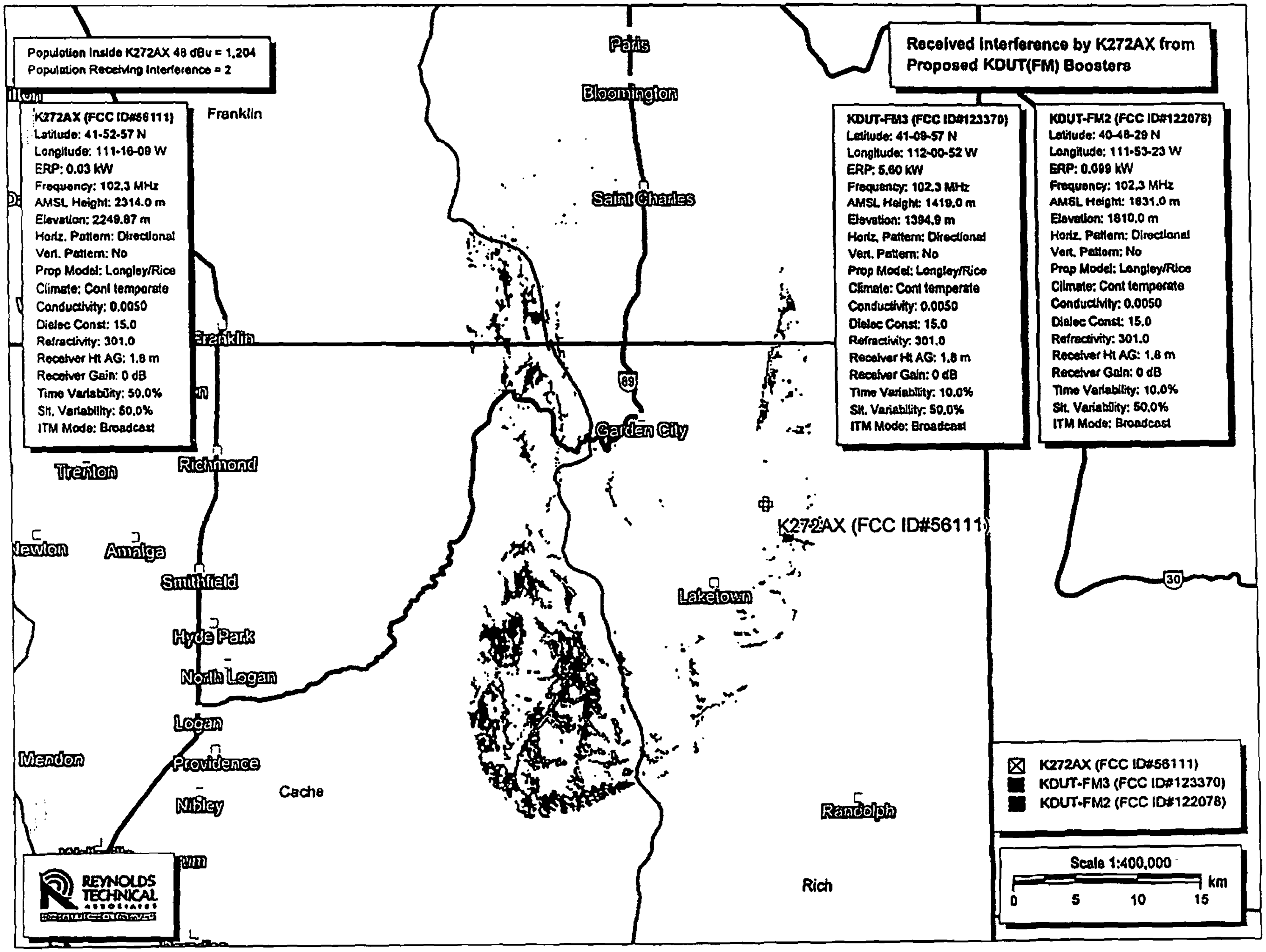

Population Inside KSL-FM 48 dBu = 1,922,872
Population Receiving Interference = 5
KSL-FM (FCC ID#54166)
Latitude: 40-39-34 N
Longitude: 112-12-05 W
ERP: 25.00 kW
Frequency: 102.7 MHz
AMSL Height: 2803.0 m
Elevation: 2755.0 m
HAAT: 1140.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Received Interference by KSL-FM from Proposed KDUT-FM2 Booster
KDUT-FM2 (FCC ID#122078)
Latitude: 40-48-29 N
Longitude: 111-53-23 W
ERP: 0.099 kW
Frequency: 102.3 MHz
AMSL Height: 1831.0 m
Elevation: 1810.0 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Centerville
Bountiful
Woods Cross
North Salt Lake
KDUT-FM2 (FCC ID#122078)
Salt Lake City
South Salt Lake
Magna
West Valley City
East Millcreek
Murray
Kearns
Salt Lake
KSL-FM (FCC ID#54156)
Park City
Union
Cottonwood Heights
West Jordan
Sandy City
Alta
Granite
South Jordan
Riverton
Draper
KSL-FM (FCC ID#54166)
KDUT-FM2 (FCC ID#122078)
Scale 1:250,000
km
0
3
6
9
REYNOLDS TECHNICAL ASSOCIATES


Population Inside KSL-FM 48 dBu = 1,922,672
Population Receiving Interference = 16,135
KSL-FM (FCC ID#54156)
Latitude: 40-39-34 N
Longitude: 112-12-05 W
ERP: 25.00 kW
Frequency: 102.7 MHz
AMSL Height: 2803.0 m
Elevation: 2755.0 m
HAAT: 1140.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Received Interference by KSL-FM from Proposed KDUT-FM3 Booster
KDUT-FM3 (FCC ID#123370)
Latitude: 41-09-57 N
Longitude: 112-00-52 W
ERP: 6.60 kW
Frequency: 102.3 MHz
AMSL Height: 1419.0 m
Elevation: 1394.9 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Plain City
Farr West
North Ogden
Harrisville
Weber
Huntsville
Ogden
West Haven
South Ogden
KDUT-FM3 (FCC ID#123370)
Riverdale
Hooper
Roy
Clinton
South Weber
84
West Point
Clearfield
Syracuse
Layton
Kaysville
89
15
Davis
Farmington
KSL-FM (FCC ID#54156)
KDUT-FM3 (FCC ID#123370)
Scale 1:250,000
km
0
3
6
9
REYNOLDS TECHNICAL ASSOCIATES


Population Inside KSL-FM 48 dBu = 1,922,672
Population Receiving Interference = 2,589
KSL-FM (FCC ID#54156)
Latitude: 40-39-34 N
Longitude: 112-12-05 W
ERP: 25.00 kW
Frequency: 102.7 MHz
AMSL Height: 2803.0 m
Elevation: 2755.0 m
HAAT: 1140.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Proposed Interference to KSL-FM from
Proposed KDUT-FM5 Booster
KDUT-FM5 (FCC ID#131424)
Latitude: 40-18-00 N
Longitude: 111-38-38 W
ERP: 0.099 kW
Channel: 272
Frequency: 102.3 MHz
AMSL Height: 1638.0 m
Elevation: 1621.0 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Granite
Jordan
Riverton
Draper
Bluffdale
Highland
Cedar Hills
Lehi
American Fork
Pleasant Grove
Lindon
Vineyard
Orem
Provo
Springville
KDUT-FM5 (FCC ID#131424)
15
189
89
KSL-FM (FCC ID#54156)
KDUT-FM5 (FCC ID#131424)
Scale 1:250,000
km
0
3
6
9
REYNOLDS TECHNICAL ASSOCIATES


Population Inside K272AB 48 dBu = 14,198
Population Receiving Interference = 291
K272AB (FCC ID#22345)
Latitude: 42-07-30 N
Longitude: 111-46-30 W
ERP: 0.008 kW
Frequency: 102.3 MHz
AMSL Height: 1878.0 m
Elevation: 1870.0 m
HAAT: 205.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Received Interference by K272AB from Proposed KDUT(FM) Boosters
KDUT-FM3 (FCC ID#123370)
Latitude: 41-09-57 N
Longitude: 112-00-52 W
ERP: 5.60 kW
Frequency: 102.3 MHz
AMSL Height: 1419.0 m
Elevation: 1394.9 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
KDUT-FM2 (FCC ID#122078)
Latitude: 40-48-28 N
Longitude: 111-53-23 W
ERP: 0.099 kW
Frequency: 102.3 MHz
AMSL Height: 1831.0 m
Elevation: 1810.0 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Clifton
Franklin
Dayton
Preston
Weston
Franklin
Saint Charles
Portage
Cornish
Lewiston
Clarkston
Trenton
Richmond
Newton
Amalga
91
K272AB (FCC ID#22346)
KDUT-FM3 (FCC ID#123370)
KDUT-FM2 (FCC ID#122078)
Scale 1:325,000
km
0
4
8
12
REYNOLDS TECHNICAL ASSOCIATES


Population Inside K272AB 48 dBu = 8,538
Population Receiving Interference = 41
Received Interference by K272AG from Proposed KDUT(FM) Boosters
K272AG (FCC ID#8810)
Latitude: 42-37-48 N
Longitude: 111-41-00 W
ERP: 0.055 kW
Frequency: 102.3 MHz
AMSL Height: 2148.0 m
Elevation: 2140.0 m
HAAT: 328.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.6 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
KDUT-FM3 (FCC ID#123370)
Latitude: 41-09-57 N
Longitude: 112-00-52 W
ERP: 5.60 kW
Frequency: 102.3 MHz
AMSL Height: 1419.0 m
Elevation: 1394.9 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.6 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Caribou
Bancroft
Soda Springs
K272AG (FCC ID#8810)
Lava Hot Springs
Grace
Arimo
Downey
Georgetown
30
15
91
191
K272AG (FCC ID#8810)
KDUT-FM3 (FCC ID#123370)
Scale 1:400,000
km
0
5
10
15
REYNOLDS TECHNICAL


Received Interference by K272AX from Proposed KDUT(FM) Boosters
Population Inside K272AX 48 dBu = 1,204
Population Receiving Interference = 2
K272AX (FCC ID#56111)
Latitude: 41-52-57 N
Longitude: 111-16-09 W
ERP: 0.03 kW
Frequency: 102.3 MHz
AMSL Height: 2314.0 m
Elevation: 2249.87 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
KDUT-FM3 (FCC ID#123370)
Latitude: 41-09-57 N
Longitude: 112-00-52 W
ERP: 5.60 kW
Frequency: 102.3 MHz
AMSL Height: 1419.0 m
Elevation: 1394.9 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
KDUT-FM2 (FCC ID#122078)
Latitude: 40-48-29 N
Longitude: 111-53-23 W
ERP: 0.099 kW
Frequency: 102.3 MHz
AMSL Height: 1831.0 m
Elevation: 1810.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Paris
Bloomington
Franklin
Saint Charles
Franklin
89
Garden City
Trenton
Richmond
K272AX (FCC ID#56111)
Amalga
Smithfield
Laketown
30
Hyde Park
North Logan
Logan
Mendon
Providence
Cache
Nibley
Randolph
Rich
K272AX (FCC ID#56111)
KDUT-FM3 (FCC ID#123370)
KDUT-FM2 (FCC ID#122078)
Scale 1:400,000
0 5 10 15 km
REYNOLDS TECHNICAL ASSOCIATES

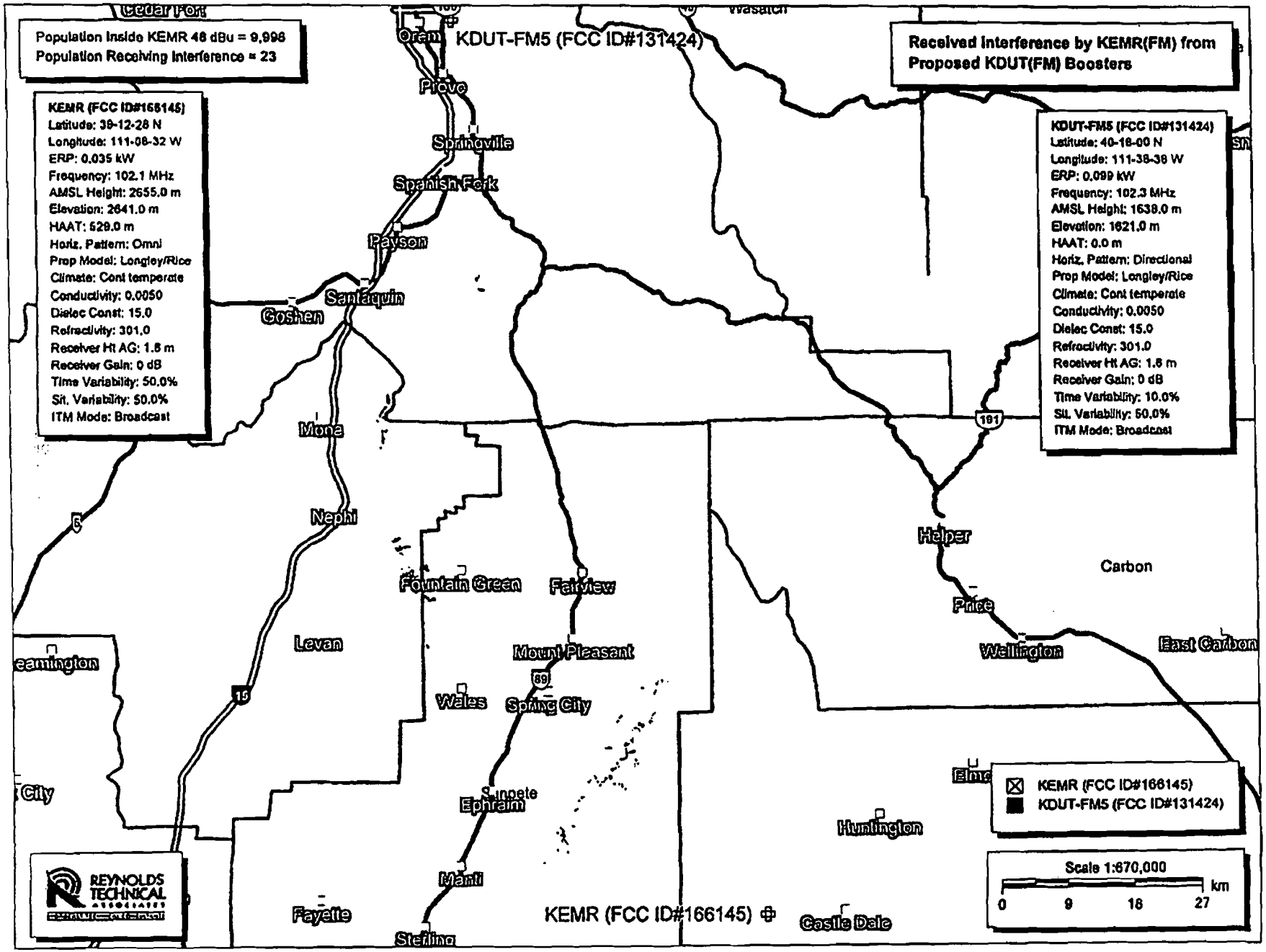

Population Inside KEMR 48 dBu = 9,998
Population Receiving Interference = 23
KEMR (FCC ID#166145)
Latitude: 39-12-28 N
Longitude: 111-08-32 W
ERP: 0.035 kW
Frequency: 102.1 MHz
AMSL Height: 2655.0 m
Elevation: 2641.0 m
HAAT: 529.0 m
Horiz. Pattern: Omni
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
KDUT-FM5 (FCC ID#131424)
Received Interference by KEMR(FM) from Proposed KDUT(FM) Boosters
KDUT-FM5 (FCC ID#131424)
Latitude: 40-18-00 N
Longitude: 111-38-38 W
ERP: 0.099 kW
Frequency: 102.3 MHz
AMSL Height: 1638.0 m
Elevation: 1621.0 m
HAAT: 0.0 m
Horiz. Pattern: Directional
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 1.8 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast
Orem
Provo
Springville
Spanish Fork
Payson
Santaquin
Goshen
Mona
Nephi
Fountain Green
Fairview
Mount Pleasant
Spring City
Wales
Levan
Ephraim
Manti
Fayette
Sterling
Helper
Carbon
Price
Wellington
East Carbon
Huntington
Castle Dale
KEMR (FCC ID#166145)
KDUT-FM5 (FCC ID#131424)
Scale 1:670,000
0 9 18 27 km
REYNOLDS TECHNICAL ASSOCIATES

EXHIBIT B

Population within KDUT-FM3 Contour (Ogden)

Brigham City (18,709)
Mantua (756)
Perry (3,889)
Willard (1,747)
South Willard* (586)
North Ogden (17,682)
Pleasant View (7,052)
Plain City (5,288)
Farr West (5,335)
Marriott-Slaterville (1,537)
Ogden (82,865)
Huntsville (653)
West Haven (8,357)
Riverdale (8,126)
Roy (35,672)
Hooper* (5,665)
South Ogden (15,891)
South Weber (6,167)
Sunset (4,945)
Clinton (19,855)
Clearfield (27,851)
West Point (9,001)
Syracuse (22,195)
Layton (65,514)

(* Denotes CDP)

W. JEFFREY REYNOLDS	TECHNICAL CONSULTANT
Signature	Date 7/13/2011

Mailing Address DU TREIL, LUNDIN & RACKLEY, INC. 201 FLETCHER AVENUE		
City SARASOTA	State or Country (if foreign address) FL	Zip Code 34237 - 6019
Telephone Number (include area code) 9413296000	E-Mail Address (if available) JEFF@DLR.COM	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Unable to find table

Section III-A - Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1. Channel: 256

2. Primary Station:

Facility ID Number	Call Sign	City	State
27199	WWOJ	AVON PARK	FL

3. Delivery Method (Select One):
○ Off-air ○ Microwave ○ Satellite ○ Via ○ Other

4. Antenna Location Coordinates: (NAD 27)

Latitude:
Degrees 27 Minutes 12 Seconds 35 ◉ North ○ South

Longitude:
Degrees 81 Minutes 33 Seconds 31 ◉ West ○ East

5. Antenna Structure Registration Number: 1022372
☐ Not Applicable ☐ Notification filed with FAA

6.	Antenna Location Site Elevation Above Mean Sea Level:	26 meters
7.	Overall Tower Height Above Ground Level:	61 meters
8.	Height of Radiation Center Above Ground Level:	meters(H) 47 meters(V)
9.	Effective Radiated Power:	kW(H) 5 kW(V)

10. Transmitting Antenna:

Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under CDBS Public Access (http://licensing.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm). Make sure that the Standard Pattern is marked Yes and that the relative field values shown match your values. Enter the Manufacturer (Make) and Model exactly as displayed in the Antenna Search.

○ Nondirectional ○ Directional "Off-the-shelf" ◉ Directional composite

Manufacturer ALD Model LOG PERIODIC ARRAY

Rotation:291degrees ☐ No Rotation

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0	1	10	0.938	20	0.766	30	0.529	40	0.296	50	0.119
60	0.017	70	0.023	80	0.027	90	0.018	100	0.01	110	0.004